Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Monday 13 Mar 2023 until 23:59 on Tuesday 14 Mar 2023

Forecast Issued on Sunday 12 Mar 2023 at 16:26

Confidence: High for an unsettled week with heavy precipitation at times and turning colder later Monday, but lower for details due to uncertainties regarding track and depth of various lows over or close to the UK and timing of the associated fronts.

Headline for Monday 13 Mar 2023: Cloudy with outbreaks of occasionally heavy rain, then snow late evening. Windy.

Mountain weather hazards on Monday 13 Mar 2023

Blizzards
No Likelihood

Gales
High Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
Low Likelihood

Heavy persistent rain
Low Likelihood

Storm force winds
No Likelihood

Poor visibility
High Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Heavy Rain	Light rain	Light rain
Precipitation probability							
80%	90%	60%	60%	60%	70%	70%	70%

Forecast for Monday 13 Mar 2023

Weather: Cloudy with widespread hill fog and outbreaks of occasionally heavy rain through much of the day. Later this evening, as winds turn more northerly, the rain will turn increasingly to snow at all but the lowest levels.

Chance of cloud-free hill tops above 600m: Around 25% in east, otherwise zero

Low cloud and visibility: Persistent cloud above 450-600m, lowering to 300m at times especially for western hills, becoming periods above 600m at times in east. Away from cloud visibility good falling to several kilometres in rain, and a kilometre in snow towards midnight.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Mountain Weather Forecast

Forecast for Monday 13 Mar 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	32/43 SW	36/48 SW	35/47 SW	38/52 SW	39/53 SW	37/51 SW	27/38 SW	21/30 NW	26/38 N
300	23/34 SW	26/38 SW	24/36 SW	27/41 SW	28/42 SW	26/40 SW	20/32 SW	16/26 NW	18/29 N
Valley	14/31 SW	17/36 SW	16/34 SW	18/38 SW	19/39 SW	18/38 SW	14/30 SW	13/25 NW	15/32 N

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/2	8/2	7/1	6/-1	6/-0	6/-0	5/-1	2/-4	-1/-9
300	10/6	10/5	9/5	8/4	9/4	8/4	8/3	4/-0	1/-5
Valley	10/7	10/7	10/6	9/5	9/6	9/5	8/5	5/1	2/-4
Freezing Level*	2600m	2400m	1700m	1500m	1600m	1600m	1500m	900m	300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts close to 65mph over higher peaks in the morning, then gradually easing in afternoon.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sun 12 Mar 2023	1.6mm	1.6mm	2.2mm

Forecast for Tuesday 14 Mar 2023

Weather: Occasionally heavy snow clearing southeastwards through the early hours with skies then clearing. Then a bitterly cold day with a mix of sunny spells and occasionally heavy snow showers, most frequent over western hills. The showers largely dying out through the evening.

Maximum wind: Northerly 20-30mph, gusts around 50mph over higher peaks, backing more westerly or northwesterly through the morning and slowly easing to 15mph by evening.

Chance of cloud-free hill tops above 600m: Around 40% in west but nearer 75% in east.

Low cloud and visibility: Occasional, or especially in west, periods of cloud above about 600m, lowering to 450m at times in showers. Away from cloud visibility, very good falling to around a kilometre in heavy snow showers.

Temperature: **Valleys:** Around zero Celsius at dawn and again in evening, rising to plus 4 Celsius by day
At 600m: Around minus 1 or 2 Celsius
Freezing level: 300m or less

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